Author Index to Volume 229
July–September 1985

Publisher: William D. Carey

Editor: Daniel E. Koshland, Jr.

Deputy Editors

Philip H. Abelson (Engineering and Applied Sciences)
John I. Brauman (Physical Sciences)
Gardner Lindzey (Social Sciences)

Editorial Board

Philip W. Anderson
David Baltimore
Ansley J. Coale
Joseph L. Goldstein
Leon Knopoff
Seymour Lipset
Walter Massey
Oliver E. Nelson
Allen Newell
Ruth Patrick
Vera C. Rubin
Howard E. Simmons
Solomon H. Snyder
Robert M. Solow

Board of Reviewing Editors

James P. Allison
Qais Al-Awqati
Luis W. Alvarez
Don L. Anderson
Kenneth J. Arrow
C. Paul Bianchi
Elizabeth H. Blackburn
Floyd E. Bloom
Michael S. Brown
James H. Clark
Stanley Falkow
Nina V. Fedoroff
Gary Felsenfeld
Douglas J. Futuyma
Theodore H. Geballe
Stephen P. Goff
Patricia S. Goldman-Rakic
Richard M. Held
Gloria Heppner
John Imbrie
Eric F. Johnson
Konrad B. Krauskopf
Paul E. Lacy
Joseph B. Martin
John C. McGiff
Mortimer Mishkin
John S. Pearse
Yeshayau Pocker
Frederic M. Richards
James E. Rothman
Ronald H. Schwartz
Otto T. Solbrig
Robert T. N. Tjian
Virginia Trimble
Geerat J. Vermeij
Martin G. Weigert
George M. Whitesides
William B. Wood
Harriet Zuckerman

Published by the

American Association for the Advancement of Science

1333 H Street, NW, Washington, D.C. 20005

Printed in Richmond, Virginia, by William Byrd Press

Copyright 1985 by the American Association for the Advancement of Science

A

Aaronson, Stuart A. *See* King, C. Richter.
Abbott, Margaret H. *See* Folstein, Susan E.
Abe, Shinobu. *See* Diamond, David C.
Abele, Lawrence G.: Biogeographic methods (letter). v229 p8 5 July 85.
Abelson, Philip H. (editorials): Chemicals from waste dumps. v229 p335 26 July 85. Corporate classrooms. v229 p1043 13 Sep 85. Engineering education. v229 p121 12 July 85. Plant-fungal symbiosis. v229 p617 16 Aug 85. Technologies for clean use of coal. v229 p819 30 Aug 85. Use of and research on pheromones. v229 p1343 27 Sep 85.
Alberte, Randall S.: review of *Plant Membranes*, by David G. Robinson. v229 p1380–1381 27 Sep 85.
Alho, H.; Costa, E.; Ferrero, P.; Fujimoto, M.; Cosenza-Murphy, D.; Guidotti, A.: Diazepam-binding inhibitor: a neuropeptide located in selected neuronal populations of rat brain. v229 p179–182 12 July 85.
Alkana, Ronald L.; Finn, Deborah A.; Galleisky, Guntwin G.; Syapin, Peter J.; Malcolm, Richard D.: Ethanol withdrawal in mice precipitated and exacerbated by hyperbaric exposure. v229 p772–774 23 Aug 85.
Allard, W. Jeffrey. *See* Mueckler, Mike.
Allen, Michael F. *See* Caldwell, Martyn M.
Allison, David K.: review of *Engineers and Electrons*, by John D. Ryder and Donald G. Fink and *The Making of a Profession*, by A. Michal McMahon. v229 p457–458 2 Aug 85.
Alroy, Joseph; Orgad, Uri; Ucci, Angelo A.; Schelling, Scott H.; Schunk, Kenneth L.; Warren, Christopher D.; Raghavan, Srinivasa S.; Kolodny, Edwin H.: Neurovisceral and skeletal G_{M1}-gangliosidosis in dogs with β-galactosidase deficiency. v229 p470–472 2 Aug 85.
Alvord, Ellsworth C., Jr. *See* Jahnke, Ulrike.
Amara, Susan G.; Arriza, Jeffrey L.; Leff, Stuart E.; Swanson, Larry W.; Evans, Ronald M.; Rosenfeld, Michael G.: Expression in brain of a messenger RNA encoding a novel neuropeptide homologous to calcitonin gene–related peptide. v229 p1094–1097 13 Sep 85.
Antakly, Tony; Sasaki, Atsushi; Liotta, Anthony S.; Palkovits, Miklos; Krieger, Dorothy T.: Induced expression of the glucocorticoid receptor in the rat intermediate pituitary lobe. v229 p277–279 19 July 85.
Aoki, Tadashi. *See* Heathcock, Clayton H.
Ares, Manuel, Jr. *See* Mangin, Marguerite.
Arita, Mineo. *See* Diamond, David C.
Arnold, A. P. *See* Nordeen, E. J.
Arriza, Jeffrey L. *See* Amara, Susan G.
Arya, Suresh K.; Guo, Chan; Josephs, Steven F.; Wong-Staal, Flossie: *Trans*-activator gene of human T-lymphotropic virus type III (HTLV-III). v229 p69–73 5 July 85.
Atchley, William R. *See* Riska, Bruce.
Atlas, Steven. *See* Nelson, Thomas.

B

Bak, H. J. *See* Linzen, B.
Baker, K. S. *See* Brown, O. B.
Baker, Victor R.: review of *The Colorado River*, by William L. Graf. v229 p376–377 26 July 85.
Bakun, W. H. and Lindh, A. G.: The Parkfield, California, earthquake prediction experiment. v229 p619–624 16 Aug 85.
Balandrin, Manuel F. and Klocke, James A.: Medicinal plants (letter). v229 p1036, 1038 13 Sep 85.
Baldwin, Stephen A. *See* Mueckler, Mike.
Baltimore, David: Picornaviruses are no longer black boxes (perspective). v229 p1366–1367 27 Sep 85.
Barr, Virginia L. *See* Kotzin, Brian L.
Baur, Anne W. *See* Gopal, T. Venkat.
Baylin, Stephen B. *See* Gazdar, Adi F.
Beal, M. Flint; Mazurek, Michael F.; Tran, Vinh T.; Chattha, Geetinder; Bird, Edward D.; Martin, Joseph B.: Reduced numbers of somatostatin receptors in the cerebral cortex in Alzheimer's disease. v229 p289–291 19 July 85.
Bechnoefer, Arthur S.: A glimpse of the future? (letter). v229 p428 2 Aug 85.
Beckmann, E. *See* Zemlin, F.
Behlke, Mark A.; Spinella, Dominic G.; Chou, Hubert S.; Sha, William; Hartl, Daniel L.; Loh, Dennis Y.: T-cell receptor β-chain expression: dependence on relatively few variable region genes. v229 p566–570 9 Aug 85.
Behrens, P. Q. *See* Linzen, B.
Beintema, J. J. *See* Linzen, B.
Benn, Steven I. *See* Rabson, Arnold B.
Bennett, Kelly L. and Truman, James W.: Steroid-dependent survival of identifiable neurons in cultured ganglia of the moth *Manduca sexta*.. v229 p58–60 5 July 85.
Bernstein, Harris; Byerly, Henry C.; Hopf, Frederic A.; Michod, Richard E.: Genetic damage, mutation, and the evolution of sex. v229 p1277–1281 20 Sep 85.
Berzofsky, Jay A.: Intrinsic and extrinsic factors in protein antigenic structure. v229 p932–940 6 Sep 85.
Betley, Marsha J. and Mekalanos, John J.: Staphylococcal enterotoxin A is encoded by phage. v229 p185–187 12 July 85.
Betzer, Peter R. *See* Young, Robert A.
Beutler, B.; Milsark, I. W.; Cerami, A. C.: Passive immunization against cachectin/tumor necrosis factor protects mice from lethal effect of endotoxin. v229 p869–871 30 Aug 85.
Beutler, Bruce. *See* Torti, Frank M.
Bhargavi, G. N. *See* Sairam, M. R.
Bidd, I. *See* Ungar, G.
Bier, Ethan; Hashimoto, Yasuhiro; Greene, Mark I.; Maxam, Allan M.: Active T-cell receptor genes have intron deoxyribonuclease hypersensitive sites. v229 p528–534 9 Aug 85.
Birch, David G. *See* Enoch, Jay M.
Birch, Eileen E. *See* Enoch, Jay M.
Bird, Edward D. *See* Beal, M. Flint.
Blank, Rudolf J. and Trench, Robert K.: Speciation and symbiotic dinoflagellates. v229 p656–658 16 Aug 85.
Blasing, T. J. *See* Meko, D. M.
Blench, Ian. *See* Mueckler, Mike.
Bode, Christoph; Matsueda, Gary R.; Hui, Kwan Y.; Haber, Edgar: Antibody-directed urokinase: a specific fibrinolytic agent. v229 p765–767 23 Aug 85.
Bolzan, J. F. *See* Thompson, L. G.
Bonin, Jutta. *See* Diamond, David C.
Bonventre, Peter F. *See* Mukkada, Antony J.
Borras, Catherine: AAAS Council meeting, 1985. v229 p355–357 26 July 85.
Botstein, David and Shortle, David: Strategies and applications of in vitro mutagenesis. v229 p1193–1201 20 Sep 85.
Bottomley, Paul A.: Noninvasive study of high-energy phosphate metabolism in human heart by depth-resolved ^{31}P NMR spectroscopy. v229 p769–772 23 Aug 85.
Boucot, Arthur J.: Modern paleontology (letter). v229 p1188 20 Sep 85.
Boulukos, Kim E. *See* Rabson, Arnold B.
Brechot, C. *See* Laure, F.
Brennan, Maureen; Davison, Peter F.; Paulus, Henry: Preparation of bispecific antibodies by chemical recombination of monoclonal immunoglobulin G_1 fragments. v229 p81–83 5 July 85.
Brentani, R. R. *See* Lopes, J. D.
Breviario, Ferruccio. *See* Rossi, Vincenzo.
Brill, Winston J.: Genetic engineering in agriculture (letter). v229 p115–116, 118 12 July 85.
Brocas, Jean: review of *Perspectives in Theoretical Stereochemistry*, by I. Ugi, J. Dugundji, R. Kopp, and D. Marquarding. v229 p459–460 2 Aug 85.
Brooks, B. R. *See* Irikura, K. K.
Brown, Arthur M. *See* Hamilton, Susan L.
Brown, J. W. *See* Brown, O. B.
Brown, O. B.; Evans, R. H.; Brown, J. W.; Gordon, H. R.; Smith, R. C.; Baker, K. S.: Phytoplankton blooming off the U.S. East Coast: a satellite description. v229 p163–167 12 July 85.
Bryan, G. *See* Ricaurte, G.
Buchanan, Karen. *See* Mobley, William C.
Bunick, Gerard J. *See* Uberbacher, Edward C.
Bunn, Paul A., Jr. *See* Gazdar, Adi F.
Burley, S. K. and Petsko, G. A.: Aromatic-aromatic interaction: a mechanism of protein structure stabilization. v229 p23–28 5 July 85.
Burlingame, R. W. *See* Moudrianakis, E. N.
Burton, Harold: review of *Hand Function and the Neocortex*, edited by A. W. Goodwin and I. Darian-Smith. v229 p752–753 23 Aug 85.
Buseck, Peter R. *See* Smith, P. P. K.
Bush, B. W. *See* Small, R. D.
Byerly, Henry C. *See* Bernstein, Harris.

C

Cahan, David: review of *The Young Einstein*, by Lewis Pyenson. v229 p751–752 23 Aug 85.
Caldwell, Martyn M.; Eissenstat, David M.; Richards, James H.; Allen, Michael F.: Competition for phosphorus: differential uptake from dual-isotope–labeled soil interspaces between shrub and grass. v229 p384–386 26 July 85.
Campbell, Donald B. *See* Ostro, Steven J.
Campbell, E. M. *See* Holzrichter, J. F.
Carew, Thomas J.: review of *Neural Mechanisms of Startle Behavior*, edited by Robert C. Eaton. v229 p158–159 12 July 85.
Carey, William D.: Science and the Philadelphia story (editorial). v229 p517 9 Aug 85.
Carson, Robert J.: Hydroelectricity from Canada (letter). v229 p815, 817 30 Aug 85.
Carson, Steven D.; Henry, W. Michael; Shows, Thomas B.: Tissue factor gene localized to human chromosome 1 (1pter → 1p21). v229 p991–993 6 Sep 85.
Carter, W. E. *See* Robertson, D. S.
Caruso, Carla. *See* Mueckler, Mike.
Cavallo, Giorgio. *See* Landolfo, Santo.
Cech, Thomas R. *See* Zaug, Arthur J.
Cerami, Anthony. *See* Beutler, B. *See also* Torti, Frank M.
Challifour, John L.: review of *Quantum Fluctuations*, by Edward Nelson. v229 p645–646 16 Aug 85.
Charlson, Robert J. *See* Clarke, Antony D.
Chase, Gary A. *See* Folstein, Susan E.
Chattha, Geetinder. *See* Beal, M. Flint.
Chaudhari, Nirupa. *See* Owens, Gregory P.
Chen, Irvin S. Y.; Slamon, Dennis J.; Rosenblatt, Joseph D.; Shah, Neil P.; Quan, Shirley G.; Wachsman, William: The *x* gene is essential for HTLV replication. v229 p54–58 5 July 85.
Childs, Jonathan R. *See* Eittreim, Stephen L.
Chou, Hubert S. *See* Behlke, Mark A.
Chow, M. *See* Hogle, J. M.
Christensen-Dalsgaard, Jørgen; Gough, Douglas; Toomre, Juri: Seismology of the sun. v229 p923–931 6 Sep 85.
Ciochon, Russell L.; Savage, Donald E.; Tint, Thaw; Maw, Ba: Anthropoid origins in Asia? new discovery of *Amphipithecus* from Eocene of Burma. v229 p756–759 23 Aug 85.
Clarke, Antony D. and Charlson, Robert J.: Radiative properties of the background aerosol: absorption component of extinction. v229 p263–265 19 July 85.
Clarke, Thomas L. *See* Young, Robert A.
Clements, Janice E. *See* Hess, Jay L.
Cleveland, William S. and McGill, Robert: Graphical perception and graphical methods for analyzing scientific data. v229 p828–833 30 Aug 85.
Cofano, Franca. *See* Landolfo, Santo.
Cogan, Martin G.: Atrial natriuretic factor ameliorates chronic metabolic alkalosis by increasing glomerular filtration. v229 p1405–1407 27 Sep 85.

Cole, Jonathan J. *See* Howarth, Robert W.
Colwell, Robert K; Norse, Elliott A.; Pimentel, David; Sharples, Frances E.; Simberloff, Daniel: Genetic engineering in agriculture (letter). v229 p111–112 12 July 85.
Conneally, P. Michael. *See* Folstein, Susan E.
Conrad, Peter: review of *Social Organization of Medical Work*, by Anselm Strauss, Shizuko Fagerhaugh, Barbara Suczek, and Carolyn Wiener. v229 p851–852 30 Aug 85.
Cook, Robert G. *See* Wright, Anthony A.
Cooper, Alan K. and Davey, F. J.: Episodic rifting of Phanerozoic rocks in the Victoria Land basin, Western Ross Sea, Antarctica. v229 p1085–1087 13 Sep 85.
Copeland, Terry D. *See* Veronese, Fulvia diMarzo.
Cosenza-Murphy, D. *See* Alho, H.
Cossman, Jeffrey. *See* Tsujimoto, Yoshihide.
Costa, E. *See* Alho, H.
Coussens, Lisa. *See* Schechter, Alan L.
Cox, John. *See* Talwani, Pradeep.
Cozzarelli, Nicholas R. *See* Wasserman, Steven A.
Crainic, Radu. *See* Diamond, David C.
Crane, Alison M. *See* Nelson, Thomas.
Crawford, Mark (news and comment): Academy's fusion study causes a stir. v229 p950–951 6 Sep 85. Committee hits DOE on project write-offs. v229 p451 2 Aug 85. Condor agreement reached. v229 p1248 20 Sep 85. Congress urged to approve China nuclear agreement. v229 p1372–1373 27 Sep 85. The electricity industry's dilemma. v229 p248–250 19 July 85. Industry abandons synfuels project. v229 p633 16 Aug 85. The last days of the wild condor? v229 p844–845 30 Aug 85. Mill tailings: a $4-billion problem. v229 p537–538 9 Aug 85. A $9.5-billion plan for facilities. v229 p31 5 July 85. NRC stands by its rule on university reactors. v229 p36 5 July 85. Polish universities face crackdown. v229 p146 12 July 85. A $750-million plan for coal research. v229 p254 19 July 85. Recurring problem caused shuttle engine shutdown. v229 p635 16 Aug 85. Universities urged to enter the information age. v229 p1373 27 Sep 85. Wildlife group files suit on wilderness access. v229 p450 2 Aug 85. (letter): The electricity industry. v229 p916 6 Sep 85.
Creel, Donnell J. *See* Leventhal, Audie G.
Croce, Carlo M. *See* Erikson, Jan. *See also* Tsujimoto, Yoshihide.
Culliton, Barbara J. (news and comment): APA issues warning on antipsychotic drugs. v229 p1248 20 Sep 85. Court rules in patient privacy case. v229 p360–361 26 July 85. HHS halts animal experiment. v229 p447–448 2 Aug 85. Hughes names five vice presidents. v229 p635 16 Aug 85. New biotech review board planned. v229 p736–737 23 Aug 85. NIH bills moving through Congress. v229 p33 5 July 85. NIH role in biotechnology debated. v229 p147–148 12 July 85. NIH to award 2200 new grants. v229 p947 6 Sep 85.
Curran, James W.; Morgan, W. Meade; Hardy, Ann M.; Jaffe, Harold W.; Darrow, William W.; Dowdle, Walter R.: The epidemiology of AIDS: current status and future prospects. v229 p1352–1357 27 Sep 85.
Curran, Tom and Morgan, James I.: Superinduction of c-*fos* by nerve growth factor in the presence of peripherally active benzodiazepines. v229 p1265–1268 20 Sep 85.

D and E

Daddario, Emilio Q.: Patent rights (letter). v229 p512 9 Aug 85.
Dahlberg, James E. *See* Lund, Elsebet.
Dallas, J. L. *See* Segall, H. J.
Daniels, Stacy L.: Waste management (letter). v229 p330 26 July 85.
Darrow, William W. *See* Curran, James W.
Daugherty, Daryl F. *See* Rabson, Arnold B.
Davey, F. J. *See* Cooper, Alan K.
Davis, Marc: review of *The Big Bang and Georges Lemaitre*, edited by A. Berger. v229 p644–645 16 Aug 85.
Davison, Peter F. *See* Brennan, Maureen.
Dayton, Paul K.: review of *Antarctic Ecology*, edited by R. M. Laws. v229 p157–158 12 July 85.
Debrunner-Vossbrinck, B. A. *See* Woese, C. R.
Decker, Jean M. *See* Muchmore, Andrew V.
de Groat, William C. *See* Kawatani, Masahito.
Dejana, Elisabetta. *See* Rossi, Vincenzo.
Dekin, Michael S.; Richerson, George B.; Getting, Peter A.: Thyrotropin-releasing hormone induces rhythmic bursting in neurons of the nucleus tractus solitarius. v229 p67–69 5 July 85.
DeNiro, Michael J. *See* Ting, Irwin P.
Desimone, Robert. *See* Moran, Jeffrey.
DeVico, Anthony L. *See* Veronese, Fulvia diMarzo.
Dey, Richard D. *See* Heinz-Erian, Peter.
Diamond, David C.; Jameson, Bradford A.; Bonin, Jutia; Kohara, Michinori; Abe, Shinobu; Itoh, Heihachi; Komatsu, Toshihiko; Arita, Mineo; Kuge, Shusuke; Nomoto, Akio; Osterhaus, A. D. M. E.; Crainic, Radu; Wimmer, Eckard: Antigenic variation and resistance to neutralization in poliovirus type 1. v229 p1090–1093 13 Sep 85.
Diaz, Manuel O.; Le Beau, Michelle M.; Rowley, Janet D.; Drabkin, Harry A.; Patterson, David: The role of the c-*mos* gene in the 8;21 translocation in human acute myeloblastic leukemia. v229 p767–769 23 Aug 85.
Dibner, Mark D.: Biotechnology in pharmaceuticals: the Japanese challenge. v229 p1230–1235 20 Sep 85.
Dickson, David (news and comment): Bomb scandal highlights French testing. v229 p948–949 6 Sep 85. British scientists urge supercomputer program. v229 p951 6 Sep 85. Europe agrees on joint defense research program. v229 p36 5 July 85. Europe tries a strategic technology initiative. v229 p141–143 12 July 85. A European defense initiative. v229 p1243–1245 20 Sep 85. Germany axes neutron source. v229 p536 9 Aug 85. Ignition error blamed for Ariane failure. v229 p1373 27 Sep 85. OECD warns of technological nationalism. v229 p451 2 Aug 85. Proliferation treaty hinders SDI. v229 p142 12 July 85. Sparring on test ban likely at NPT review. v229 p630–632 16 Aug 85. Unesco: a glimmer at the end of the tunnel? v229 p839–841 30 Aug 85. United States drops action on Ariane prices. v229 p539 9 Aug 85. (letter): High energy physics. v229 p815 30 Aug 85.
Dieckmann, Barbara. *See* Torti, Frank M.
Dienel, Gerald A. *See* Nelson, Thomas.
Dodson, Julian: review of *The Control of Fish Migration*, by R. J. F. Smith, and *Fish Migration*, by Brian A. McKeown. v229 p1257 20 Sep 85.
Dorset, D. L. *See* Zemlin, F.
dos Reis, M. *See* Lopes, J. D.
Douglas, Michael E. *See* Vrijenhoek, Robert C.
Dowdle, Walter R. *See* Curran, James W.
Dowling, John E. *See* Mangel, Stuart C.
Drabkin, Harry A. *See* Diaz, Manuel O.
Drucker, Daniel C.: Crisis in engineering (letter). v229 p227 19 July 85.
Duke, James A.: Medicinal plants (letter). v229 p1036 13 Sep 85.
Duncan, Margaret J. *See* Smith, Robert A.
Dungan, Jan M. *See* Wasserman, Steven A.
Durbin, Paul T.: review of *Science and Scientific Researchers in Modern Society*, by John P. Dickinson and *An Introduction to Science Studies*, by John Ziman. v229 p458–459 2 Aug 85.
Eanes, R. J. *See* Robertson, D. S.
Eddy, David M.: Detecting colon cancer (letter). v229 p1186 20 Sep 85.
Eddy, Sean R. *See* Rice, Charles M.
Edgar, David. *See* Thoenen, Hans.
Eickwort, George C.: review of *Insect Communication*, edited by Trevor Lewis. v229 p260–261 19 July 85.
Eidne, Karin A.; Flanagan, Colleen A.; Millar, Robert P.: Gonadotropin-releasing hormone binding sites in human breast carcinoma. v229 p989–991 6 Sep 85.
Eisinger, Magdalena; Marko, Olga; Ogata, Shun-Ichiro; Old, Lloyd J.: Growth regulation of human melanocytes: mitogenic factors in extracts of melanoma, astrocytoma, and fibroblast cell lines. v229 p984–986 6 Sep 85.
Eissenstat, David M. *See* Caldwell, Martyn M.
Eittreim, Stephen L.; Hampton, Monty A.; Childs, Jonathan R.: Seismic-reflection signature of Cretaceous continental breakup on the Wilkes Land margin, Antarctica. v229 p1082–1084 13 Sep 85.
Eldridge, Juanita D. *See* Levi, Andrea.
Elliott, Richard E. *See* Falke, Konrad J.
Enoch, Jay M.; Birch, David G.; Birch, Eileen E.: Photoreceptor alignment (letter). v229 p708 23 Aug 85.
Epstein, Charles B. *See* Oppenheimer, Michael.
Erickson, John W.; Silva, Abelardo M.; Murthy, M. R. N.; Fita, Ignacio; Rossmann, Michael G.: The structure of a $T = 1$ icosahedral empty particle from southern bean mosaic virus. v229 p625–629 16 Aug 85.
Erikson, Jan; Williams, Dorothy L.; Finan, Janet; Nowell, Peter C.; Croce, Carlo M.: Locus of the α-chain of the T-cell receptor is split by chromosome translocation in T-cell leukemias. v229 p784–786 23 Aug 85.
Esser, Klaus M. and Schoenbechler, Maurice J.: Expression of two variant surface glycoproteins on individual African trypanosomes during antigen switching. v229 p190–193 12 July 85.
Evans, D. Fennell. *See* Pashley, Richard M.
Evans, R. H. *See* Brown, O. B.
Evans, Ronald M. *See* Amara, Susan G.
Evans, Ronald M. *See* Waterman, Marian.

F

Falke, Konrad J.; Hill, Roger D.; Qvist, Jesper; Schneider, Robert C.; Guppy, Michael; Liggins, Graham C.; Hochachka, Peter W.; Elliott, Richard E.; Zapol, Warren M.: Seal lungs collapse during free diving: evidence from arterial nitrogen tensions. v229 p556–558 9 Aug 85.
Faryniarz, Ann. *See* Folstein, Susan E.
Felber, Barbara K.; Paskalis, Harry; Kleinman-Ewing, Carol; Wong-Staal, Flossie; Pavlakis, George N.: The pX protein of HTLV-I is a transcriptional activator of its long terminal repeats. v229 p675–679 16 Aug 85.
Feorino, Paul. *See* Rabson, Arnold B.
Ferrero, P. *See* Alho, H.
Filman, D. J. *See* Hogle, J. M.
Finan, Janet. *See* Erikson, Jan.
Finch, J. T. *See* Klug, A.
Findsen, E. W. *See* Friedman, J. M.
——; Friedman, J. M.; Ondrias, M. R.; Simon, S. R.: Picosecond time–resolved resonance Raman studies of hemoglobin: implications for reactivity. v229 p661–665 16 Aug 85.
Finkelstein, Bruce L. *See* Heathcock, Clayton H.
Finn, Deborah A. *See* Alkana, Ronald L.
Fisanick, G. J. *See* Friedman, J. M.
Fischer, Edmond H. *See* Jahnke, Ulrike.
Fischer, G. *See* Stauffer, B.
Fishelson, Lev; Montgomery, W. Linn; Myrberg, Arthur A., Jr.: A unique symbiosis in the gut of tropical herbivorous surgeonfish (Acanthuridae: Teleostei) from the Red Sea. v229 p49–51 5 July 85.
Fishman, Paul S.; Gass, Jennifer S.; Swoveland, Peggy T.; Lavi, Ehud; Highkin, Maureen K.; Weiss, Susan R.: Infection of the basal ganglia by a murine coronavirus. v229 p877–879 30 Aug 85.
Fita, Ignacio. *See* Erickson, John W.
Flanagan, Colleen A. *See* Eidne, Karin A.

Flux, Marinus. *See* Heinz-Erian, Peter.
Fok, Kam F. *See* Schwartz, David.
Folks, Thomas M. *See* Rabson, Arnold B.
Folstein, Susan E.; Phillips, John A., III; Meyers, Deborah A.; Chase, Gary A.; Abbott, Margaret H.; Franz, Mary L.; Waber, Pamela G.; Kazazian, Haig H., Jr.; Conneally, P. Michael; Hobbs, Wendy; Tanzi, Rudolph; Faryniarz, Ann; Gibbons, Kerrin; Gusella, James: Huntington's disease: two families with differing clinical features show linkage to the G8 probe. v229 p776–779 23 Aug 85.
Ford, Tim E. *See* Peterson, Bruce J.
Forester, Andrew: Predator and prey behavior (letter). v229 p1188 20 Sep 85.
Forni, Guido. *See* Landolfo, Santo.
Francke, Uta. *See* Schechter, Alan L.
Franz, Mary L. *See* Folstein, Susan E.
Frauenfelder, Hans and Wolynes, Peter G.: Rate theories and puzzles of hemeprotein kinetics. v229 p337–345 26 July 85.
Freed, Curt R. and Yamamoto, Bryan K.: Regional brain dopamine metabolism: a marker for the speed, direction, and posture of moving animals. v229 p62–65 5 July 85.
Frenzen, Donald: Patent rights (letter). v229 p512 9 Aug 85.
Friedman, J. M.; Scott, T. W.; Fisanick, G. J.; Simon, S. R.; Findsen, E. W.; Ondrias, M. R.; Macdonald, V. W.: Localized control of ligand binding in hemoglobin: effect of tertiary structure on picosecond geminate recombination. v229 p187–190 12 July 85.
Friedman, J. M. *See* Findsen, E. W.
Fujimoto, M. *See* Alho, H.
Fung, I. *See* Hansen, J.

G and H

Gaffey, Michael J. *See* McFadden, Lucy A.
Galleisky, Guntwin G. *See* Alkana, Ronald L.
Gallo, Robert C. *See* Laure, F. *See also* Veronese, Fulvia diMarzo. *See also* Wong-Staal, Flossie.
Gass, Jennifer S. *See* Fishman, Paul S.
Gaykema, W. P. J. *See* Linzen, B.
Gazdar, Adi F.; Bunn, Paul A., Jr.; Minna, John D.; Baylin, Stephen B.: Origin of human small cell lung cancer (technical comment). v229 p679–680 16 Aug 85.
Geffard, M.; McRae-Degueurce, A.; Souan, Marie Laure: Immunocytochemical detection of acetylcholine in the rat central nervous system. v229 p77–79 5 July 85.
Geller, David M. *See* Schwartz, David.
Gentry, L. E. *See* Purchio, A. F.
Geselowitz, Ari R. *See* Rose, George D.
Getting, Peter A. *See* Dekin, Michael S.
Ghezzi, Pietro. *See* Rossi, Vincenzo.
Gibbons, Kerrin. *See* Folstein, Susan E.
Gillespie, R. *See* Lynch, Thomas F.
Gillispie, Charles C.: review of *Revolution in Science*, by I. Bernard Cohen. v229 p1077–1078 13 Sep 85.
Gilman, Alfred G. *See* Harris, Bruce A.
Gilman, Henry: Iowa, not Ohio (letter). v229 p817 30 Aug 85.
Gingerich, Philip D.: Molecular evolutionary clocks (letter). v229 p8 5 July 85. *See also* Jenkins, Farish A., Jr.
Giovarelli, Mirella. *See* Landolfo, Santo.
Glaser, Theresa A. *See* Mukkada, Antony J.
Glass, B. P. and O'Keefe, J. A.: Lunar sample 14425: corrected analysis (technical comment). v229 p1410 27 Sep 85.
Godson, G. Nigel. *See* Sharma, Shobhona.
Golden, Susan S. and Haselkorn, Robert: Mutation to herbicide resistance maps within the *psbA* gene of *Anacystis nidulans* R2. v229 p1104–1107 13 Sep 85.
Goldsmith, Julian R.: review of *Feldspars and Feldspathoids*, edited by William L. Brown. v229 p261–262 19 July 85.
Gopal, T. Venkat; Shimada, Takashi; Baur, Anne W.; Nienhuis, Arthur W.: Contribution of promoter to tissue-specific expression of the mouse immunoglobulin kappa gene. v229 p1102–1104 13 Sep 85.
Gordon, Glen E. *See* Olmez, Ilhan.
Gordon, H. R. *See* Brown, O. B.
Gorham, James. *See* Tsujimoto, Yoshihide.
Gough, Douglas. *See* Christensen-Dalsgaard, Jørgen.
Gowlett, John A. J. *See* Lynch, Thomas F.
Grassle, J. Frederick: Hydrothermal vent animals: distribution and biology. v229 p713–717 23 Aug 85.
Green, Michael R. *See* Ruskin, Barbara.
Green, Paul B.: review of *Pattern Formation*, edited by George M. Malacinski and Susan V. Bryant. v229 p156 12 July 85.
Greene, Mark I. *See* Bier, Ethan.
Gregori, G. P. *See* Lanzerotti, L. J.
Grosberg, Richard K.; Rice, William R.; Palumbi, Stephen R.: Graft compatibility and clonal identity in invertebrates (technical comment). v229 p487–488 2 Aug 85.
Guidotti, A. *See* Alho, H.
Guo, Chan. *See* Arya, Suresh K.
Guppy, Michael. *See* Falke, Konrad J.
Gusella, James. *See* Folstein, Susan E.
Haber, Edgar. *See* Bode, Christoph.
Haddon, William F. *See* Segall, H. J.
Haggarty, Beth S. *See* Hoxie, James A.
Haggerty, Stephen E. and Toft, Paul B.: Native iron in the continental lower crust: petrological and geophysical implications. v229 p647–649 16 Aug 85.
Hahn, Beatrice H. *See* Laure, F. *See also* Wong-Staal, Flossie.
Hahn, William E. *See* Owens, Gregory P.
Halperin, Bertrand I. *See* Nelson, David R.
Hamilton, Susan L.; Yatani, Atsuko; Hawkes, Mary Jane; Redding, Kevin; Brown, Arthur M.: Atrotoxin: a specific agonist for calcium currents in heart. v229 p182–184 12 July 85.
Hampton, Monty A. *See* Eittreim, Stephen L.
Hanken, James: Morphological novelty in the limb skeleton accompanies miniaturization in salamanders. v229 p871–874 30 Aug 85.
Hansen, J.; Russell, G.; Lacis, A.; Fung, I.; Rind, D.; Stone, P.: Climate response times: dependence on climate sensitivity and ocean mixing. v229 p857–859 30 Aug 85.
Harada, Shinji; Koyanagi, Yoshio; Yamamoto, Naoki: Infection of HTLV-III/LAV in HTLV-I–carrying cells MT-2 and MT-4 and application in a plaque assay. v229 p563–566 9 Aug 85.
Harding, Katherine; Wedeen, Cathy; McGinnis, William; Levine, Michael: Spatially regulated expression of homeotic genes in *Drosophila*.. v229 p1236–1242 20 Sep 85.
Hardy, Ann M. *See* Curran, James W.
Harris, Bruce A.; Robishaw, Janet D.; Mumby, Susanne M.; Gilman, Alfred G.: Molecular cloning of complementary DNA for the alpha subunit of the G protein that stimulates adenylate cyclase. v229 p1274–1277 20 Sep 85.
Hartl, Daniel L. *See* Behlke, Mark A.
Harvey, George R. *See* Young, Robert A.
Haselkorn, Robert. *See* Golden, Susan S.
Haseltine, William. *See* Sodroski, Joseph.
Hashimoto, Yasuhiro. *See* Bier, Ethan.
Hawkes, Mary Jane. *See* Hamilton, Susan L.
Hazelrigg, Tulle. *See* Levis, Robert.
Heathcock, Clayton H.; Finkelstein, Bruce L.; Aoki, Tadashi; Poulter, C. Dale: Stereostructure of the archaebacterial C_{40} diol. V229 p862–864 30 Aug 85.
Hedges, R. E. M. *See* Lynch, Thomas F.
Heinz-Erian, Peter; Dey, Richard D.; Flux, Marinus; Said, Sami I.: Deficient vasoactive intestinal peptide innervation in the sweat glands of cystic fibrosis patients. v229 p1407–1408 27 Sep 85.
Henderson, Ian M.: Biogeographic methods (letter). v229 p8 5 July 85.
Henry, W. Michael. *See* Carson, Steven D.
Hershey, Anne E. *See* Peterson, Bruce J.
Herzenberg, Caroline L.: Antimalarial etymology (letter). v229 p706 23 Aug 85.
Hess, Jay L.; Clements, Janice E.; Narayan, Opendra: *Cis*- and *trans*-acting transcriptional regulation of visna virus. v229 p482–485 2 Aug 85.
Highkin, Maureen K. *See* Fishman, Paul S.
Hillbish, Thomas J. and Koehn, Richard K.: Dominance in physiological phenotypes and fitness at an enzyme locus. v229 p52–54 5 July 85.
Hill, Roger D. *See* Falke, Konrad J.
Ho, Calvin; Jasin, Maria; Schimmel, Paul: Amino acid replacements that compensate for a large polypeptide deletion in an enzyme. v229 p389–393 26 July 85.
Hobbie, John E. *See* Peterson, Bruce J.
Hobbs, Wendy. *See* Folstein, Susan E.
Hochachka, Peter W. *See* Falke, Konrad J.
Hogle, J. M.; Chow, M.; Filman, D. J.: Three-dimensional structure of polio-virus 2.9-angstrom resolution. v229 p1358–1365 27 Sep 85.
Hol, W. G. J. *See* Linzen, B.
Holden, Constance (news and comment): Americans and French find the Titanic. v229 p1368–1369 27 Sep 85. Avoiding nuclear war. v229 p1372 27 Sep 85. Contraception research lagging. v229 p1066 13 Sep 85. Education research reorganization announced. v229 p252–253 19 July 85. Global cooperation in big science. v229 p32–33 5 July 85. IOM sees need for autopsy policy. v229 p539 9 Aug 85. Johns Hopkins drops MCAT requirement. v229 p634–635 16 Aug 85. Lobbying urged for facilities fund. v229 p540 9 Aug 85. The neglected disease in medical education. v229 p741–742 23 Aug 85. NIMH to reorganize extramural research. v229 p362, 367 26 July 85. NRC committee blasts immigration statistics. v229 p149 12 July 85. Paying for research instrumentation. v229 p1247–1248 20 Sep 85. "Right-to-life" scores new victory at AID. v229 p1065–1067 13 Sep 85. Unique anthropology films lie in limbo. v229 p251–252 19 July 85.
Holmberg, Sandra W. *See* Manning, Pamela T.
Holzrichter, J. F.; Campbell, E. M.; Lindl, J. D.; Storm, E.: Research with high-power short-wavelength lasers. v229 p1045–1051 13 Sep 85.
Hooper, Richard P. and Shoemaker, Christine A.: Aluminum mobilization in an acidic headwater stream: temporal variation and mineral dissolution disequilibria. v229 p463–465 2 Aug 85.
Hopf, Frederic A. *See* Bernstein, Harris.
Horn, Jonathan M. *See* Smiley, John T.
Horvitz, Leo: Geochemical exploration for petroleum. v229 p821–827 30 Aug 85.
Hounshell, David A. *See* Smith, John K.
Howarth, Robert W. and Cole, Jonathan J.: Molybdenum availability, nitrogen limitation, and phytoplankton growth in natural waters. v229 p653–655 16 Aug 85.
Hoxie, James A.; Haggarty, Beth S.; Rackowski, Jerome L.; Pillsbury, Nan; Levy, Jay A.: Persistent noncytopathic infection of normal human T-lymphocytes with AIDS-associated retrovirus. v229 p1400–1402 27 Sep 85.
Hui, Kwan Y. *See* Bode, Christoph.
Hullar, Meredith A. J. *See* Peterson, Bruce J.
Hung, Mien-Chie. *See* Schechter, Alan L.

I and J

Inaba, Kayo and Steinman, Ralph M.: Protein-specific helper T-lymphocyte formation initiated by dendritic cells. v229 p475–479 2 Aug 85.
Irikura, K. K.; Tidor, B.; Brooks, B. R.; Karplus, M.: Transition from B to Z DNA: contribution of internal fluctuations to the configurational entropy difference. v229 p571–572 9 Aug 85.
Itoh, Heihachi. *See* Diamond, David C.
Izant, Jonathan G. and Weintraub, Harold: Constitutive and conditional supression of exogenous and endogenous genes by antisense RNA. v229 p345–352 26 July 85.
Jackson, Ivor M. D.; Wu, Ping; Lechan, Ron-

aid M.: Immunohistochemical localization in the rat brain of the precursor for thyrotropin-releasing hormone. v229 p1097–1099 13 Sep 85.
Jackson, J. D.: High energy physics (letter). v229 p813, 815 30 Aug 85.
Jaco, William: review of *The Smith Conjecture*, edited by John W. Morgan and Hyman Bass. v229 p375–376 26 July 85.
Jaffe, Elaine. *See* Tsujimoto, Yoshihide.
Jaffe, Harold W. *See* Curran, James W.
Jahnke, Ulrike; Fischer, Edmond H.; Alvord, Ellsworth C., Jr.: Sequence homology between certain viral proteins and proteins related to encephalomyelitis and neuritis. v229 p282–284 19 July 85.
Jameson, Bradford A. *See* Diamond, David C.
Janeway, Elizabeth: Evaluations (letter). v229 p1188 20 Sep 85.
Jannasch, Holger W. and Mottl, Michael J.: Geomicrobiology of deep-sea hydrothermal vents. v229 p717–725 23 Aug 85.
Jasin, Maria. *See* Ho, Calvin.
Jenkins, Farish A., Jr.; Simons, Elwyn L.; McKenna, Malcolm C.; Gingerich, Philip D.: Princeton's intellectual trust (letter). v229 p330 26 July 85.
Jenkins, Frank J. *See* Roizman, Bernard.
Jerne, Niels K.: The generative grammar of the immune system. v229 p1057–1059 13 Sep 85.
Johnson, Leslie K.: review of *Sperm Competition and the Evolution of Animal Mating System*, edited by Robert L. Smith. v229 p643–644 16 Aug 85.
Johnston, Michael V. *See* Mobley, William C.
Josephs, Steven F. *See* Arya, Suresh K.

K and L

Kahan, Brenda. *See* Lund, Elsebet.
Kanaide, Hideo. *See* Kobayashi, Sei.
Kapral, Raymond: review of *Oscillations and Traveling Waves in Chemical Systems*, edited by Richard J. Field and Maria Burger. v229 p852–853 30 Aug 85.
Karplus, M. *See* Irikura, K. K.
Kaslow, Richard A.: AIDS repository (letter). v229 p8 5 July 85.
Katsube, Nobuo C. *See* Manning, Pamela T.
Kawatani, Masahito; Rutigliano, Michael; de Groat, William C.: Depolarization and muscarinic excitation induced in a sympathetic ganglion by vasoactive intestinal polypeptide. v229 p879–881 30 Aug 85.
Kazazian, Haig H., Jr. *See* Folstein, Susan E.
Keller, A. *See* Ungar, G.
Kellermann, K. I. and Thompson, A. R.: The very long baseline array. v229 p123–130 12 July 85.
Kendrick, Donald F. *See* Wright, Anthony A.
Kerr, Richard A. (research news): A comet's heart may be big but black. v229 p372–373 26 July 85. Continental drift nearing certain detection. v229 p953–955 6 Sep 85. Heading for a dusty death at Comet Halley? v229 p541–542 9 Aug 85. Making better planetary rings. v229 p1376–1377 27 Sep 85. Tracking a stormy beast in the night. v229 p848–849 30 Aug 85. Weather satellites coming of age. v229 p255–257 19 July 85.
King, C. Richter; Kraus, Matthias H.; Aaronson, Stuart A.: Amplification of a novel v-*erbB*-related gene in a human mammary carcinoma. v229 p974–976 6 Sep 85.
Kinzey, Warren G.: review of *Food Acquisition and Processing in Primates*, edited by David J. Chivers, Bernard A. Wood, and Alan Bilsborough. v229 p42–43 5 July 85.
Klayman, Daniel L.: Antimalarial etymology (letter). v229 p706, 708 23 Aug 85.
Kleinman-Ewing, Carol. *See* Felber, Barbara K.
Klocke, James A. *See* Balandrin, Manuel F.
Klug, A.; Finch, J. T.; Richmond, T. J.: Crystallographic structure of the octamer histone core of the nucleosome (technical comment). v229 p1109–1110 13 Sep 85.
Knorr, Dietrich and Sinskey, Anthony J.: Biotechnology in food production and processing. v229 p1224–1229 20 Sep 85.
Kobayashi, Sei; Kanaide, Hideo; Nakamura, Motoomi: Cytosolic-free calcium transients in cultured vascular smooth muscle cells: microfluorometric measurements. v229 p553–556 9 Aug 85.
Koblinsky, Chester J. *See* Niller, Pearn P.
Koci, B. R. *See* Thompson, L. G.
Koehn, Richard K. *See* Hilbish, Thomas J.
Konera, Michinori. *See* Diamond, David C.
Kolata, Gina (research news): Breast cancer consensus. v229 p1378 27 Sep 85. Debate over colon cancer screening. v229 p636–637 16 Aug 85. The great crystal caper. v229 p370–371 26 July 85. Is the war on cancer being won? v229 p543–544 9 Aug 85. Novel protein/membrane attachment. v229 p850 30 Aug 85. What causes nearsightedness? v229 p1249–1250 20 Sep 85. (news and comment): How safe are engineered organisms? v229 p34–35 5 July 85. (letter): Detecting colon cancer. v229 p1186, 1188 20 Sep 85.
Kolodny, Edwin H. *See* Alroy, Joseph.
Komanoff, Charles: U.S. oil consumption (letter). v229 p1038 13 Sep 85.
Komatsu, Toshihiko. *See* Diamond, David C.
Koshland, Daniel E., Jr. (editorials): Addons and catchons. v229 p429 2 Aug 85. Anomalous behavior patterns. v229 p921 6 Sep 85. Associations and democracy. v229 p711 23 Aug 85. Excursions in biotechnology. v229 p1191 20 Sep 85. Modest proposals for the granting system. v229 p231 19 July 85. Resources and compromise. v229 p600 16 Aug 85. The undesirability principle. v229 p9 5 July 85. (letter): Evaluations. v229 p1188 20 Sep 85.
Kotzin, Brian L.; Barr, Virginia L.; Palmer, Edward: A large deletion within the T-cell receptor beta-chain gene complex in New Zealand White Mice. v229 p167–171 12 July 85.
Koyanagi, Yoshio. *See* Harada, Shinji.
Kraus, Matthias H. *See* King, C. Richter.
Krieger, Dorothy T. *See* Antakly, Tony.
Kuge, Shusuke. *See* Diamond, David C.
Lacis, A. *See* Hansen, J.
Land, Lynton S.: review of *Perspectives on Coral Reefs*, edited by D. J. Barnes. v229 p44–45 5 July 85.
Landolfo, Santo; Cofano, Franca; Giovarelli, Mirella; Prat, Maria; Cavallo, Giorgio; Forni, Guido: Inhibition of interferon-gamma may suppress allograft reactivity by T lymphocytes in vitro and in vivo. v229 p176–179 12 July 85.
Langsley, Gordon. *See* Van der Ploeg, Lex H. T.
Lanzerotti, L. J.: Scientists' time (letter). v229 p512 9 Aug 85.
——; Medford, L. V.; Maclennan, C. G.; Thomson, D. J.; Meloni, A.; Gregori, G. P.: Measurements of the large-scale direct-current earth potential and possible implications for the geomagnetic dynamo. v229 p47–49 5 July 85.
Laure, F.; Zagury, D.; Saimot, A. G.; Gallo, R. C.; Hahn, B. H.; Brechot, C.: Hepatitis B virus DNA sequences in lymphoid cells from patients with AIDS and AIDS-related complex. v229 p561–563 9 Aug 85.
Lavi, Ehud. *See* Fishman, Paul S.
Lazen, Alvin G.: Trauma research (letter). v229 p227 19 July 85.
Le Beau, Michelle M. *See* Diaz, Manuel O.
Lechan, Ronald M. *See* Jackson, Ivor M. D.
Lee, Richard H. *See* Rose, George D.
Leff, Stuart E. *See* Amara, Susan G.
Lenches, Edith M. *See* Rice, Charles M.
Lerman, Leonard S. *See* Myers, Richard M.
Lesser, Glenn J. *See* Rose, George D.
Leventhal, Audie G.; Vitek, Dagmar J.; Creel, Donnell J.: Abnormal visual pathways in normally pigmented cats that are heterozygous for albinism. v229 p1395–1397 27 Sep 85.
Levere, Trevor H.: review of *Lavoisier and the Chemistry of Life*, by Frederic Lawrence Holmes. v229 p751 23 Aug 85.
Levi, Andrea; Eldridge, Juanita D.; Paterson, Bruce M.: Molecular cloning of a gene sequence regulated by nerve growth factor. v229 p393–395 26 July 85.
Levine, Michael. *See* Harding, Katherine.
Levis, Robert; Hazelrigg, Tulle; Rubin, Gerald M.: Effects of genomic position on the expression of transduced copies of *white* gene of *Drosophila*.. v229 p558–561 9 Aug 85.
Levy, Jay A. *See* Hoxie, James A.
Lewin, Roger (research news): Basic modular format in tRNA's and rRNA's. v229 p1254 20 Sep 85. Catastrophism not yet dead. v229 p640 16 Aug 85. Hawaiian drosophila: young islands, old flies. v229 p1072–1074 13 Sep 85. Molecules vs. morphology: of mice and men. v229 p743–745 23 Aug 85. Parkinson's disease: an environmental cause? v229 p257–258 19 July 85. Pattern and process in life's history. v229 p151–153 12 July 85. Reverse transcriptase in introns. v229 p1073 13 Sep 85. Slow growth in seabirds. v229 p1250 20 Sep 85.
Lienhard, Gustav E. *See* Mueckler, Mike.
Liggins, Graham C. *See* Falke, Konrad J.
Lindh, A. G. *See* Bakun, W. H.
Lindl, J. D. *See* Holzrichter, J. F.
Linzen, B.; Soeter, N. M.; Riggs, A. F.; Schneider, H.-J.; Schartau, W.; Moore, M. D.; Yokota, E.; Behrens, P. Q.; Nakashima, H.; Takagi, T.; Nemoto, T.; Verelijken, J. M.; Bak, H. J.; Beintema, J. J.; Volbeda, A.; Gaykema, W. P. J.; Hol, W. G. J.: The structure of arthropod hemocyanins. v229 p519–524 9 Aug 85.
Liotta, Anthony S. *See* Antakly, Tony.
Lipinskas, Bernard R. *See* Perkus, Marion E.
Livingston, Katherine: review of *Embryology of Angiosperms*, edited by B. M. Johri. v229 p753 23 Aug 85. review of *The Experimental Biology of Bryophtes*, edited by A. F. Dyer and J. G. Duckett. v229 p753 23 Aug 85.
Lloyd, Marilyn: Fusion program (letter). v229 p1036 13 Sep 85.
Lock, Maurice A. *See* Peterson, Bruce J.
Lodish, Harvey F. *See* Mueckler, Mike.
Loh, Dennis Y. *See* Behlke, Mark A.
Lopes, J. D.; dos Reis, M.; Brentani, R. R.: Presence of laminin receptors in *Staphylococcus aureus*. *v229 p275–277 19 July 85.*
Lord, Elizabeth M. *See* Ting, Irwin P.
Love, W. E. *See* Moudrianakis, E. N.
Lovins, Amory B.: The electricity industry (letter). v229 p914, 916 6 Sep 85.
Lowenstein, J. H.: review of *Renormalization*, by John C. Collins. v229 p44 5 July 85.
Luberoff, B. J.: How much for research (letter). v229 p817 30 Aug 85.
Luby, James P. *See* Resta, Silvia.
Lucignani, Giovanni. *See* Nelson, Thomas.
Ludwig, W. *See* Woese, C. R.
Lund, Elsebet; Kahan, Brenda; Dahlberg, James E.: Differential control of U1 small nuclear RNA expression during mouse development. v229 p1271–1274 20 Sep 85.
Lynch, Thomas F.; Gillespie, R.; Gowlett, John A. J.; Hedges, R. E. M.: Chronology of Guitarrero Cave, Peru. v229 p864–867 30 Aug 85.

M

Macdonald, Nina H.: Writer's workbench (letter). v229 p600 16 Aug 85.
Macdonald, V. W. *See* Friedman, J. M.
Mackler, Scott A. and Selzer, Michael E.: Regeneration of functional synapses between individual recognizable neurons in the Lamprey spinal cord. v229 p774–776 23 Aug 85.
Maclennan, C. G. *See* Lanzerotti, L. J.
Madsen, Richard P.: review of *Sociology and*

Anthropology in the People's Republic of China, edited by Alice S. Rossi. v229 p1379 27 Sep 85.
Malcolm, Richard D. *See* Alkana, Ronald L.
Mangel, Stuart C. and Dowling, John E.: Responsiveness and receptive field size of carp horizontal cells are reduced by prolonged darkness and dopamine. v229 p1107–1109 13 Sep 85.
Mangin, Marguerite; Ares, Manuel, Jr.; Weiner, Alan M.: U1 small nuclear RNA genes are subject to dosage compensation in mouse cells. v229 p272–275 19 July 85.
Maniatis, Tom. *See* Myers, Richard M.
Manning, Pamela T. *See* Schwartz, David.
——; Schwartz, David; Katsube, Nobuo C.; Holmberg, Sandra W.; Needleman, Philip: Vasopressin-stimulated release of atriopeptin: endocrine antagonists in fluid homeostasis. v229 p395–397 26 July 85.
Mantovani, Alberto. *See* Rossi, Vincenzo.
Markham, Phillip. *See* Wong-Staal, Flossie.
Marko, Olga. *See* Eisinger, Magdalena.
Marsh, Terry L. and Pace, Norman R.: Ribonuclease P catalysis differs from ribosomal RNA self-splicing. v229 p79–81 5 July 85.
Marshall, Eliot (news and comment): Congress to review Chinese nuclear trade. v229 p737–738 23 Aug 85. EPA finds acid lakes from Maine to Florida. v229 p1070 13 Sep 85. Guilty plea puts Oraflex case to rest. v229 p1071 13 Sep 85. New group targets political bias on campus. v229 p841–842 30 Aug 85. The rise and decline of Temik. v229 p1369–1371 27 Sep 85. Scientists seeking "spy dust" in Moscow. v229 p1071 13 Sep 85. Selenium poisons refuge, California politics. v229 p144–146 12 July 85. "Spy dust" irritates diplomats. v229 p952 6 Sep 85.
Martin, Alice O.: Ultrasound effects (letter). v229 p227 19 July 85.
Martin, Joseph B. *See* Beal, M. Flint.
Martin, Malcolm A. *See* Rabson, Arnold B.
Marx, Jean L. (research news): Antibodies made to order. v229 p455–456 2 Aug 85. A crystalline view of protein-DNA binding. v229 p846–848 30 Aug 85. Fixing nitrogen without molybdenum? v229 p956–957 6 Sep 85. Gene rearrangements in a prokaryote. v229 p957 6 Sep 85. More about the HTLV's and how they act. v229 p37–38 5 July 85. Protein for all seasons. v229 p638–640 16 Aug 85. Putting the human genome on the map. v229 p150–151 12 July 85.
Matsueda, Gary R. *See* Bode, Christoph.
Maw, Ba. *See* Ciochon, Russell L.
Maxam, Allan M. *See* Bier, Ethan.
Mazurek, Michael F. *See* Beal, M. Flint.
McConnell, Susan K.: Migration and differentiation of cerebral cortical neurons after transplantation into the brains of ferrets. v229 p1268–1271 20 Sep 85.
McCord, Thomas B. *See* McFadden, Lucy A.
McFadden, Lucy A.; Gaffey, Michael J.; McCord, Thomas B.: Near-Earth asteroids: possible sources from reflectance spectroscopy. v229 p160–163 12 July 85.
McGaughey, William H.: Insect resistance to the biological insecticide *Bacillus thuringiensis*.. v229 p193–195 12 July 85.
McGill, Robert. *See* Cleveland, William S.
McGinnis, William. *See* Harding, Katherine.
McGivern, Robert F.: Androgens and prenatal alcohol exposure (technical comment). v229 p195–196 12 July 85.
McGuiggan, Patricia M. *See* Pashley, Richard M.
McKenna, Malcolm C. *See* Jenkins, Farish A., Jr.
McKinley, Vicky L. *See* Peterson, Bruce J.
McRae-Degueurce, A. *See* Geffard, M.
Meade, John C. *See* Mukkada, Antony J.
Medford, L. V. *See* Lanzerotti, L. J.
Mefle, Gary K. *See* Vrijenhoek, Robert C.
Mekalanos, John J. *See* Betley, Marsha J.
Meko, D. M.; Stockton, C. W.; Blasing, T. J.: Periodicity in tree rings from the Corn Belt. v229 p381–384 26 July 85.
Meloni, A. *See* Lanzerotti, L. J.
Metcalf, Donald: The granulocyte-macrophage colony-stimulating factors. v229 p16–22 5 July 85.
Meuwissen, Joep H. E. Th. *See* Van der Ploeg, Lex H. T.
Meyerowitz, Elliot M. and Pruitt, Robert E.: *Arabidopsis thaliana* and plant molecular genetics. v229 p1214–1218 20 Sep 85.
Meyers, Deborah A. *See* Folstein, Susan E.
Michod, Richard E. *See* Bernstein, Harris.
Miles, John: review of *Ocean Wave Modeling*, by The SWAMP Group. v229 p377 26 July 85.
Millar, Robert P. *See* Eidne, Karin A.
Miller, Michael C. *See* Peterson, Bruce J.
Mills, Mark P.: Reusable oil plants? (letter). v229 p118 12 July 85.
Milsark, I. W. *See* Beutler, B.
Minna, John D. *See* Gazdar, Adi F.
Mitchell, G. H. *See* Sharma, Shobhona.
Mitra, Raman and Morad, Martin: Ca^{2+} and Ca^{2+} -activated K^+ currents in mammalian gastric smooth muscle cells. v229 p269–272 19 July 85.
Mobley, William C.; Rutkowski, J. Lynn; Tennekoon, Gihan I.; Buchanan, Karen; Johnston, Michael V.: Choline acetyltransferase activity in striatum of neonatal rats increased by nerve growth factor. v229 p284–287 19 July 85.
Modell, Judith: review of *A Woman's Quest for Science*, by Peter H. Hare. v229 p43–44 5 July 85.
Moir, Donald T. *See* Smith, Robert A.
Monath, T. P.: Glad tidings from yellow fever research (perspective). v229 p734–735 23 Aug 85.
Montgomery, W. Linn. *See* Fishelson, Lev.
Moore, M. D. *See* Linzen, B.
Morad, Martin. *See* Mitra, Raman.
Moran, Jeffrey and Desimone, Robert: Selective attention gates visual processing in the extrastriate cortex. v229 p782–784 23 Aug 85.
Morgan, James I. *See* Curran, Tom.
Morgan, Thomas. *See* Potter, Andrew.
Morgan, W. Meade. *See* Curran, James W.
Morris, Howard R. *See* Mueckler, Mike.
Morrison, Sherie L.: Transfectomas provide novel chimeric antibodies. v229 p1202–1207 20 Sep 85.
Mosley-Thompson, E. *See* Thompson, L. G.
Motti, Michael J. *See* Jannasch, Holger W.
Moudrianakis, E. N.; Love, W. E.; Wang, B. C.; Xuong, N. G.; Burlingame, R. W.: Crystallographic structure of the octamer histone core of the nucleosome (technical comment). v229 p1110–1112 13 Sep 85.
Moudrianakis, E. N.; Love, W. E.; Burlingame, R. W.: Crystallographic structure of the octamer histone core of the nucleosome (technical comment). v229 p1113 13 Sep 85.
Muchmore, Andrew V. and Decker, Jean M.: Uromodulin: a unique 85-kilodalton immunosuppressive glycoprotein isolated from urine of pregnant women. v229 p479–481 2 Aug 85.
Mueckler, Mike; Caruso, Carla; Baldwin, Stephen A.; Panico, Maria; Blench, Ian; Morris, Howard R.; Allard, W. Jeffrey; Lienhard, Gustav E.; Lodish, Harvey F.: Sequence and structure of a human glucose transporter. v229 p941–945 6 Sep 85.
Mukkada, Antony J.; Meade, John C.; Glaser, Theresa A.; Bonventre, Peter F.: Enhanced metabolism of *Leishmania donovani* amastigotes at acid *p*H: an adaptation for intracellular growth. v229 p1099–1101 13 Sep 85.
Muller, Ernest H.: review of *Late Pleistocene History of Northeastern New England and Adjacent Quebec*, edited by Harold W. Borns, Jr., Pierre LaSalle, and Woodrow B. Thompson. v229 p156–157 12 July 85.
Mumby, Susanne M. *See* Harris, Bruce A.
Murdoch, Geoffrey H. *See* Waterman, Marian.
Murthy, M. R. N. *See* Erickson, John W.
Myers, Richard M.; Lerman, Leonard S.; Maniatis, Tom: A general method for saturation mutagenesis of cloned DNA fragments. v229 p242–247 19 July 85.
Myrberg, Arthur A., Jr. *See* Fishelson, Lev.

N and O

Nakamura, Motomi. *See* Kobayashi, Sei.
Nakashima, H. *See* Linzen, B.
Narayan, Opendra. *See* Hess, Jay L.
Needleman, Philip. *See* Manning, Pamela T. *See also* Schwartz, David.
Neftel, A. *See* Stauffer, B.
Neigel, Joseph: Graft compatibility and clonal identity in invertebrates (technical comment). v229 p488–489 2 Aug 85.
Nelson, David R. and Halperin, Bertrand I.: Pentagonal and icosahedral order in rapidly cooled metals. v229 p233–238 19 July 85.
Nelson, Thomas; Lucignani, Giovanni; Atlas, Steven; Crane, Alison M.; Dienel, Gerald A.; Sokoloff, Louis: Reexamination of glucose-6-phosphatase activity in the brain in vivo: no evidence for futile cycle. v229 p60–62 5 July 85.
Nemoto, T. *See* Linzen, B.
Neugut, Alfred J.: Detecting colon cancer (letter). v229 p1186 20 Sep 85.
Nienhuis, Arthur W. *See* Gopal, T. Venkat.
Niller, Pearn P. and Koblinsky, Chester J.: A local time-dependent Sverdrup balance in the eastern North Pacific Ocean. v229 p754–756 23 Aug 85.
Nisham, Barry W. *See* Pashley, Richard M.
Nisonoff, Alfred: The granting system (letter). v229 p1336 27 Sep 85.
Nomoto, Akio. *See* Diamond, David C.
Norcross, David W.: review of *Electron-Molecule Collisions*, edited by Isao Shimamura and Kazuo Takayanagi. v229 p460 2 Aug 85.
Nordeen, E. J.; Nordeen, K. W.; Sengelaub, D. R.; Arnold, A. P.: Androgens prevent normally occurring cell death in a sexually dimorphic spinal nucleus. v229 p671–673 16 Aug 85.
Nordeen, K. W. *See* Nordeen, E. J.
Norman, Colin (news and comment): Creationists lose again. v229 p368–369 26 July 85. DOE faces suit over enrichment decision. v229 p36 5 July 85. Illinois, Cornell sign supercomputer contracts. v229 p538 9 Aug 85. Lab chief's memo stirs unease at Illinois. v229 p634 16 Aug 85. Low-level waste deadline looms. v229 p448–449 2 Aug 85. Memo sets policy for "Star Wars" publications. v229 p843 30 Aug 85. Navy personnel told to attend fewer conferences. v229 p1247 20 Sep 85. NRC sees uncertainties in reactor accident studies. v229 p1070 13 Sep 85. Ohio State's telescope granted 10-year reprieve. v229 p951 6 Sep 85. Physics institute will not restrict meetings. v229 p253 19 July 85. Rifkin versus gene splicing: NIH wins a round. v229 p252 19 July 85. Sharing research data urged. v229 p632 16 Aug 85. Site requirements drawn up for SSC. v229 p253 19 July 85. Supercomputer restrictions pose problems for NSF, universities. v229 p148 12 July 85. Test wrecks reactor, delights researchers. v229 p538 9 Aug 85. U.S. promise falls through. v229 p840 30 Aug 85.
Norse, Elliott A. *See* Colwell, Robert K.
Nottebohm, Fernando. *See* Williams, Heather.
Nowell, Peter C. *See* Erikson, Jan.
Nuzum, C. Thomas: Morphological correlations (letter). v229 p428 2 Aug 85.
Odum, Eugene P.: Biotechnology and the biosphere (letter). v229 p1338 27 Sep 85.
Oeschger, H. *See* Stauffer, B.
Ogata, Shun-Ichiro. *See* Eisinger, Magdalena.
Ohtsuka, Teruya: Relation of spectral types to oil droplets in cones of turtle retina. v229 p874–877 30 Aug 85.
Olby, Robert: review of *The Transforming Principle*, by Maclyn McCarty. v229 p851 30 Aug 85.

Old, Lloyd J. *See* Elsinger, Magdalena.
Olmez, Ilhan and Gordon, Glen E.: Rare earths: atmospheric signatures for oil-fired power plants and refineries. v229 p966–968 6 Sep 85.
Ondrias, M. R. *See* Findsen, E. W. *See also* Friedman, J. M.
Oppenheimer, Michael; Epstein, Charles B.; Yuhnke, Robert E.: Acid deposition, smelter emissions, and the linearity issue in the western United States. v229 p859–862 30 Aug 85.
Orgad, Uri. *See* Alroy, Joseph.
Oroszlan, Stephen. *See* Veronese, Fulvia di-Marzo.
Osterhaus, A. D. M. E. *See* Diamond, David.
Ostro, Steven J.; Campbell, Donald B.; Shapiro, Irwin I.: Mainbelt asteroids: dual-polarization radar observations. v229 p442–446 2 Aug 85.
Owens, Gregory P.; Chaudhari, Nirupa; Hahn, William E.: Brain "identifier sequence" is not restricted to brain: similar abundance in nuclear RNA of other origins. v229 p1263–1265 20 Sep 85.
Oyaizu, H. *See* Woese, C. R.

P and Q

Pace, Norman R. *See* Marsh, Terry L.
Pagano, Richard E. and Sleight, Richard G.: Defining lipid transport pathways in animal cells. v229 p1051–1057 13 Sep 85.
Painter, Sally: Professional ethics group reports on spring meeting (AAAS). v229 p958–959 6 Sep 85.
Palkovits, Miklos. *See* Antakly, Tony.
Palmer, Edward. *See* Kotzin, Brian L.
Palumbi, Stephen R. *See* Grosberg, Richard K.
Panico, Maria. *See* Mueckler, Mike.
Paoletti, Enzo. *See* Perkus, Marion E.
Pashley, Richard M.; McGuiggan, Patricia M.; Nisham, Barry W.; Evans, D. Fennell: Attractive forces between uncharged hydrophobic surfaces: direct measurements in aqueous solution. v229 p1088–1089 13 Sep 85.
Paskalis, Harry. *See* Felber, Barbara K.
Patarca, Roberto. *See* Sodroski, Joseph.
Paterson, Bruce M. *See* Levi, Andrea.
Patterson, David. *See* Diaz, Manuel O.
Patton, Peter C.: review of *Geomorphology*, by Richard J. Chorley, Stanley A. Schumm, and David E. Sugden. v229 p963 6 Sep 85.
Paul, Steven M. *See* Ruff, Michael R.
Paulus, Henry. *See* Brennan, Maureen.
Pavlakis, George N. *See* Felber, Barbara K.
Peimbert, Manuel: review of *Physics of Thermal Gaseous Nebulae*, by Lawrence H. Aller. v229 p644 16 Aug 85.
Perkus, Marion E.; Piccini, Antonia; Lipinskas, Bernard R.; Paoletti, Enzo: Recombinant vaccinia virus: immunization against multiple pathogens. v229 p981–984 6 Sep 85.
Pert, Candace B. *See* Ruff, Michael R.
Peterson, Bruce J.; Hobbie, John E.; Hershey, Anne E.; Lock, Maurice A.; Ford, Tim E.; Vestal, J. Robie; McKinley, Vicky L.; Hullar, Meredith A. J.; Miller, Michael C.; Ventullo, Roy M.; Volk, Gregg S.: Transformation of a tundra river from heterotrophy to autotrophy by addition of phosphorus. v229 p1383–1386 27 Sep 85.
Petsko, G. A. *See* Burley, S. K.
Phillips, John A., III. *See* Folstein, Susan E.
Piccini, Antonia. *See* Perkus, Marion E.
Pillsbury, Nan. *See* Hoxie, James A.
Pimentel, David. *See* Colwell, Robert K.
Ponnudurai, Thivi. *See* Van der Ploeg, Lex H. T.
Popovic, Mikulas. *See* Wong-Staal, Flossie.
Potter, Andrew and Morgan, Thomas: Discovery of sodium in the atmosphere of Mercury. v229 p651–653 16 Aug 85.
Poulter, C. Dale. *See* Heathcock, Clayton H.
Prat, Maria. *See* Landolfo, Santo.
Prothero, Donald R.: Mid-Oligocene extinction event in North American land mammals. v229 p550–551 9 Aug 85.
Pruitt, Robert E. *See* Meyerowitz, Elliot M.
Pulsinelli, William A. *See* Sapolsky, Robert M.
Purchio, A. F.; Shoyab, M.; Gentry, L. E.: Site-specific increased phosphorylation of pp60v-*src* after treatment of RSV-transformed cells with a tumor promoter. v229 p1393–1395 27 Sep 85.
Quan, Shirley G. *See* Chen, Irvin S. Y.
Quester, George H.: review of *Hawks, Doves, and Owls*, edited by Graham T. Allison, Albert Carnesale, and Joseph S. Nye and *Preventing Nuclear War*, edited by Barry M. Blechman. v229 p1379–1380 27 Sep 85.
Qvist, Jesper. *See* Falke, Konrad J.

R

Rabin, Jeffrey M.: review of *Supermanifolds*, by Bryce DeWitt. v229 p548–549 9 Aug 85.
Rabson, Arnold B.; Daugherty, Daryl F.; Venkatesan, Sundararajan; Boulukos, Kim E.; Benn, Steven I.; Folks, Thomas M.; Feorino, Paul; Martin, Malcolm A.: Transcription of novel open reading frames of AIDS retrovirus during infection of lymphocytes. v229 p1388–1390 27 Sep 85.
Rackowski, Jerome L. *See* Hoxie, James A.
Raghavan, Srinivasa S. *See* Alroy, Joseph.
Raikow, Robert J.: review of *Functional Vertebrate Morphology*, edited by Milton Hildebrand, Dennis M. Bramble, Karel F. Liem, and David B. Wake. v229 p1079–1080 13 Sep 85.
Rank, Nathan E. *See* Smiley, John T.
Rao, J. S.: Science and technology in India. v229 p130–134 12 July 85.
Record, M. Thomas, Jr.: review of *Cooperativity Theory in Biochemistry*, by Terrell L. Hill. v229 p1080–1081 13 Sep 85.
Redding, Kevin. *See* Hamilton, Susan L.
Redfield, Robert. *See* Wong-Staal, Flossie.
Reichardt, Louis F.: review of *Molecular Bases of Neural Development*, edited by Gerald M. Edelman, W. Einar Gall, and W. Maxwell Cowan. v229 p1257–1258 20 Sep 85.
Reschke, Millard F.: Spinal reflexes in microgravity: measuring H reflexes during space flight (technical comment). v229 p1409 27 Sep 85.
Resta, Silvia; Luby, James P.; Rosenfeld, Charles R.; Siegel, Jane D.: Isolation and propagation of a human enteric coronavirus. v229 p978–981 6 Sep 85.
Reuber, E. *See* Zemlin, F.
Reyman, Jonathan E.: The Fajada Butte solar marker (letter). v229 p817 30 Aug 85.
Rhodes, Charles K.: Multiphoton ionization of atoms. v229 p1345–1351 27 Sep 85.
Ricaurte, G.; Bryan, G.; Strauss, L.; Seiden, L.; Schuster, C.: Hallucinogenic amphetamine selectively destroys brain serotonin nerve terminals. v229 p986–988 6 Sep 85.
Rice, Charles M.; Lenches, Edith M.; Eddy, Sean R.; Shin, Se Jung; Sheets, Rebecca L.; Strauss, James H.: Nucleotide sequence of yellow fever virus: implications for flavivirus gene expression and evolution. v229 p726–733 23 Aug 85.
Rice, William R. *See* Grosberg, Richard K.
Richards, James H. *See* Caldwell, Martyn M.
Richerson, George B. *See* Dekin, Michael S.
Richmond, T. J. *See* Klug, A.
Riggs, A. F. *See* Linzen, B.
Rind, D. *See* Hansen, J.
Ringold, Gordon M. *See* Torti, Frank M.
Riska, Bruce and Atchley, William R.: Genetics of growth predict patterns of brain-size evolution. v229 p668–671 16 Aug 85.
Robertson, D. S.; Carter, W. E.; Tapley, B. D.; Schutz, B. E.; Eanes, R. J.: Polar motion measurements: subdecimeter accuracy verified by intercomparison. v229 p1259–1261 20 Sep 85.
Robinson, Arthur L. (research news): Atomic physics tests Lorentz invariance. v229 p745–747 23 Aug 85. Fermilab tests its antiproton factory. v229 p1374–1376 27 Sep 85. Sodium atoms stopped and confined. v229 p39–41 5 July 85. A spatially resolved surface spectroscopy. v229 p1074–1076 13 Sep 85. X-ray drought ending at Brookhaven's NSLS. v229 p453–454 2 Aug 85. (news and comment): Vacuum ultraviolet synchrotron confusion. v229 p842 30 Aug 85.
Robishaw, Janet D. *See* Harris, Bruce A.
Rogers, Richard C.: review of *Taste, Olfaction, and the Central Nervous System*, edited by Donald W. Pfaff. v229 p374–375 26 July 85.
Roizman, Bernard and Jenkins, Frank J.: Genetic engineering of novel genomes of large DNA viruses. v229 p1208–1214 20 Sep 85.
Rose, George D.; Geselowitz, Ari R.; Lesser, Glenn J.; Lee, Richard H.; Zehfus, Micheal H.: Hydrophobicity of amino acid residues in globular protein. v229 p834–838 30 Aug 85.
Rosen, Craig. *See* Sodroski, Joseph.
Rosenblatt, Joseph D. *See* Chen, Irvin S. Y.
Rosenfeld, Charles R. *See* Resta, Silvia.
Rosenfeld, Michael G. *See* Amara, Susan G. *See also* Waterman, Marian.
Rossi, Vincenzo; Breviario, Ferruccio; Ghezzi, Pietro; Dejana, Elisabetta; Mantovani, Alberto: Prostacyclin synthesis induced in vascular cells by interleukin-1. v229 p174–176 12 July 85.
Rossmann, Michael G. *See* Erickson, John W.
Rowley, Janet D. *See* Diaz, Manuel O.
Rubin, Gerald M. *See* Levis, Robert.
Rüegg, D. G.: Spinal reflexes in microgravity: measuring H reflexes during space flight (technical comment). v229 p1409 27 Sep 85.
Ruff, Michael R. and Pert, Candace B.: Origin of human small cell lung cancer (technical comment). v229 p680 16 Aug 85.
_____; Weber, Richard J.; Wahl, Larry M.; Wahl, Sharon M.; Paul, Steven M.: Benzodiazepine receptor–mediated chemotaxis of human monocytes. v229 p1281–1283 20 Sep 85.
Ruskin, Barbara and Green, Michael R.: An RNA processing activity that debranches RNA lariats. v229 p135–140 12 July 85.
Russell, G. *See* Hansen, J.
Rutigliano, Michael. *See* Kawatani, Masahito.
Rutkowski, J. Lynn. *See* Mobley, William C.

S

Said, Sami I. *See* Heinz-Erian, Peter.
Salmot, A. G. *See* Laure, F.
Sairam, M. R. and Bhargavi, G. N.: A role for glycosylation of the α subunit in transduction of biological signal in glycoprotein hormones. v229 p65–67 5 July 85.
Salahuddin, S. Zaki. *See* Wong-Staal, Flossie.
Sands, Stephen F. *See* Wright, Anthony A.
Santiago, Hector C. *See* Wright, Anthony A.
Sapolsky, Robert M. and Pulsinelli, William A.: Glucocorticoids potentiate ischemic injury to neurons: therapeutic implications. v229 p1397–1400 27 Sep 85.
Samgadharan, M. G. *See* Veronese, Fulvia diMarzo.
Sasaki, Atsushi. *See* Antakly, Tony.
Saterlie, Richard A.: Reciprocal inhibition and postinhibitory rebound produce reverberation in a locomotor pattern generator. v229 p402–404 26 July 85.
Savage, Donald E. *See* Ciochon, Russell L.
Schartau, W. *See* Linzen, B.
Schechter, Alan L.; Hung, Mien-Chie; Vaidyanathan, Lalitha; Weinberg, Robert A.; Yang-Feng, Teresa L.; Francke, Uta; Ullrich, Axel; Coussens, Lisa: The *neu* gene: an *erbB*-homologous gene distinct from and unlinked to the gene encoding the EGF receptor. v229 p976–978 6 Sep 85.
Schelling, Scott H. *See* Alroy, Joseph.
Schimmel, Paul: High priority scores (letter). v229 p706 23 Aug 85. *See also* Ho, Calvin.

Schneider, H.-J. *See* Linzen, B.
Schneider, Robert C. *See* Falke, Konrad J.
Schoenbechler, Maurice J. *See* Esser, Klaus M.
Schunk, Kenneth L. *See* Alroy, Joseph.
Schuster, C. *See* Ricaurte, G.
Schutz, B. E. *See* Robertson, D. S.
Schwartz, David. *See* Manning, Pamela T.
——; Geller, David M.; Manning, Pamela T.; Siegel, Ned R.; Fok, Kam F.; Smith, Christine E.; Needleman, Philip: Ser-leu-arg-arg–atriopeptin III: the major circulating form of atrial peptide. v229 p397–400 26 July 85.
Scott, T. W. *See* Friedman, J. M.
Segall, H. J.; Wilson, D. W.; Dallas, J. L.; Haddon, William F.: *Trans*-4-hydroxy-2-hexenal: a reactive metabolite from the macrocyclic pyrrolizidine alkaloid senecionine. v229 p472–475 2 Aug 85.
Seiden, L. *See* Ricaurte, G.
Selzer, Michael E. *See* Mackler, Scott A.
Sengelaub, D. R. *See* Nordeen, E. J.
Sha, William. *See* Behlke, Mark A.
Shah, Neil P. *See* Chen, Irvin S. Y.
Shapiro, Irwin I. *See* Ostro, Steven J.
Sharma, Shobhona; Svec, Pamela; Mitchell, G. H.; Godson, G. Nigel: Diversity of circumsporozoite antigen genes from two strains of the malarial parasite *Plasmodium knowlesi*.. v229 p779–782 23 Aug 85.
Sharples, Frances E. *See* Colwell, Robert K.
Shaw, George M. *See* Wong-Staal, Flossie.
Sheets, Rebecca L. *See* Rice, Charles M.
Shimada, Takashi. *See* Gopal, T. Venkat.
Shin, Se Jung. *See* Rice, Charles M.
Shoemaker, Christine A. *See* Hooper, Richard P.
Shortle, David. *See* Botstein, David.
Shows, Thomas B. *See* Carson, Steven D.
Shoyab, M. *See* Purchio, A. F.
Sica, Alan: review of *American Sociology*, by Arthur J. Vidich and Stanford M. Lyman. v229 p1255–1257 20 Sep 85.
Siegel, Jane D. *See* Resta, Silvia.
Siegel, Ned R. *See* Schwartz, David.
Silk, Joan B.: review of *Reproductive Decisions*, by R. I. M. Dunbar. v229 p961–962 6 Sep 85.
Silva, Abelardo M. *See* Erickson, John W.
Simberloff, Daniel. *See* Colwell, Robert K.
Simon, S. R. *See* Findsen, E. W. *See also* Friedman, J. M.
Simons, Elwyn L. *See* Jenkins, Farish A., Jr.
Sinskey, Anthony J. *See* Knorr, Dietrich.
Slamon, Dennis J. *See* Chen, Irvin S. Y.
Sleight, Richard G. *See* Pagano, Richard E.
Small, R. D. and Bush, B. W.: Smoke production from multiple nuclear explosions in nonurban areas. v229 p465–469 2 Aug 85.
Smiley, John T.; Horn, Jonathan M.; Rank, Nathan E.: Ecological effects of salicin at three trophic levels: new problems from old adaptations. v229 p649–651 16 Aug 85.
Smith, Christine E. *See* Schwartz, David.
Smith, John K. and Hounshell, David A.: Wallace H. Carothers and fundamental research at Du Pont. v229 p436–442 2 Aug 85.
Smith, P. P. K. and Buseck, Peter R.: Carbyne forms of carbon: evidence for their existence (technical comment). v229 p486–487 2 Aug 85.
Smith, R. C. *See* Brown, O. B.
Smith, R. Jeffrey (news and comment): Arms agreement breathes new life into SCC. v229 p535–536 9 Aug 85. A grim portrait of the postwar world. v229 p1245–1246 20 Sep 85. New doubts about Star Wars feasibility. v229 p367–368 26 July 85. No trace of Soviet researcher. v229 p1246 20 Sep 85. Panel says warheads are too costly. v229 p452 2 Aug 85. Problems plague ASAT program. v229 p361 26 July 85. Reagan announces a new ASAT test. v229 p946–947 6 Sep 85. Reagan, Gorbachev trade offers. v229 p631 16 Aug 85. Soviets play tit-for-tat. v229 p30 5 July 85. "Star Wars" tests and the ABM Treaty. v229 p29–31 5 July 85. Weapons labs influence test ban debate. v229 p1067–1069 13 Sep 85. White House remarks worry nuclear weapons designers. v229 p1068 13 Sep 85. (letter): High energy physics. v229 p815 30 Aug 85.
Smith, Robert A.; Duncan, Margaret J.; Moir, Donald T.: Heterologous protein secretion from yeast. v229 p1219–1224 20 Sep 85.
Smits, Mari. *See* Van der Ploeg, Lex H. T.
Smol, John P.: review of *Lake Sediments and Environmental History*, edited by Elizabeth Y. Haworth and John W. G. Lund. v229 p262 19 July 85.
Sodroski, Joseph; Patarca, Roberto; Rosen, Craig; Wong-Staal, Flossie; Haseltine, William: Location of the *trans*-activating region on the genome of human T-cell lymphotropic virus type III. v229 p74–77 5 July 85.
Soeter, N. M. *See* Linzen, B.
Sokoloff, Louis. *See* Nelson, Thomas.
Song, Jian: Reforms and open policy in China. v229 p525–527 9 Aug 85.
Souan, Marie Laure. *See* Geffard, M.
Sparber, Sheldon B.: Androgens and prenatal alcohol exposure (technical comment). v229 p195 12 July 85.
Spinella, Dominic G. *See* Behlke, Mark A.
Stackebrandt, E. *See* Woese, C. R.
Stauffer, B.; Fischer, G.; Neftel, A.; Oeschger, H.: Increase of atmospheric methane recorded in Antarctic ice core. v229 p1386–1388 27 Sep 85.
Steinberg, Meyer: Uranium enrichment (letter). v229 p428 2 Aug 85.
Steinman, Ralph M. *See* Inaba, Kayo.
Stejny, J. *See* Ungar, G.
Sternberg, Leonel da S. L. *See* Ting, Irwin P.
Stix, Thomas H.: Human rights and the arms race (letter). v229 p600 16 Aug 85.
Stockton, C. W. *See* Meko, D. M.
Stone, P. *See* Hansen, J.
Storm E. *See* Holzrichter, J. F.
Strauss, James H. *See* Rice, Charles M.
Strauss, L. *See* Ricaurte, G.
Strick, Peter L.: review of *The Cerebellum and Neural Control*, by Masao Ito. v229 p547 9 Aug 85.
Sugisaki, Ryuichi and Sugiura, Tutomu: Geochemical indicator of tectonic stress resulting in an earthquake in central Japan, 1985. v229 p1261–1262 20 Sep 85.
Sugiura, Tutomu. *See* Sugisaki, Ryuichi.
Sun, Marjorie (news and comment): Administration divided over OECD biotech plan. v229 p842–843 30 Aug 85. Agracetus's sojourn in the regulatory maze. v229 p634 16 Aug 85. Biotechnology's movie debut worries industry. v229 p950 6 Sep 85. Comings and goings. v229 p369 26 July 85. Food dyes fuel debate over Delaney. v229 p739–741 23 Aug 85. Fresh data on stale air. v229 p149 12 July 85. Generic Valium approved by FDA. v229 p1247 20 Sep 85. Generic Valiums clear another hurdle at FDA. v229 p369 26 July 85. IOM reports on vaccine supply problems. v229 p539 9 Aug 85. Plan to bar funding to Pennsylvania laboratory. v229 p843 30 Aug 85. Skirmishing over the dyes. v229 p740 23 Aug 85. U.S. meat inspection needs modernization. v229 p450–451 2 Aug 85. U.S., Mexico pledge smelter controls. v229 p949 6 Sep 85. U.S. wants to keep eye on biotech exports. v229 p368 26 July 85. USDA smooths way for biotech imports. v229 p369 26 July 85.
Svec, Pamela. *See* Sharma, Shobhona.
Swanson, Larry W. *See* Amara, Susan G.
Swift, Donald J. P. *See* Young, Robert A.
Swift, Hewson: Lawrence Bogorad: President-Elect of the AAAS. v229 p353–354 26 July 85.
Swoveland, Peggy T. *See* Fishman, Paul S.
Syapin, Peter J. *See* Alkana, Ronald L.
Szybalski, Waclaw: Genetic engineering in agriculture (letter). v229 p112, 115 12 July 85.

T

Takagi, T. *See* Linzen, B.
Talwani, Pradeep and Cox, John: Paleoseismic evidence for recurrence of earthquakes near Charleston, South Carolina. v229 p379–381 26 July 85.
Tam, James P.: Physiological effects of transforming growth factor in the newborn mouse. v229 p673–675 16 Aug 85.
Tanner, M. A.: Computing and sociology (letter). v229 p227 19 July 85.
Tanzi, Rudolph. *See* Folstein, Susan E.
Tapley, B. D. *See* Robertson, D. S.
Taylor, S. James: review of *The Geometry of Fractal Sets*, by K. J. Falconer. v229 p1381 27 Sep 85.
Tennekoon, Gihan I. *See* Mobley, William C.
Thayer, Charles W.: Predator and prey behavior (letter). v229 p1188 20 Sep 85.
Thoenen, Hans and Edgar, David: Neurotrophic factors. v229 p238–242 19 July 85.
Thompson, A. R. *See* Kellermann, K. I.
Thompson, L. G.; Mosley-Thompson, E.; Bolzan, J. F.; Koci, B. R.: A 1500-year record of tropical precipitation in ice cores from the Quelccaya Ice Cap, Peru. v229 p971–973 6 Sep 85.
Thomson, D. J. *See* Lanzerotti, L. J.
Thomson, Keith S.: review of *The Colonisation of Land*.. v229 p549 9 Aug 85.
Tidor, B. *See* Irikura, K. K.
Ting, Irwin P.; Lord, Elizabeth M.; Sternberg, Leonel da S. L.; DeNiro, Michael J.: Crassulacean acid metabolism in the strangler *Clusia rosea* Jacq. v229 p969–971 6 Sep 85.
Tint, Thaw. *See* Ciochon, Russell L.
Toates, Frederick: review of *The Neurobiology of Motivation and Reward*, by James R. Stellar and Eliot Stellar. v229 p962–963 6 Sep 85.
Toft, Paul B. *See* Haggerty, Stephen E.
Toomre, Juri. *See* Christensen-Dalsgaard, Jørgen.
Torti, Frank M.; Dieckmann, Barbara; Beutler, Bruce; Cerami, Anthony; Ringold, Gordon M.: A macrophage factor inhibits adipocyte gene expression: an in vitro model of cachexia. v229 p867–869 30 Aug 85.
Tran, Vinh T. *See* Beal, M. Flint.
Trench, Robert K. *See* Blank, Rudolf J.
Truman, James W. *See* Bennett, Kelly L.
Tsujimoto, Yoshihide; Gorham, James; Cossman, Jeffrey; Jaffe, Elaine; Croce, Carlo M.: The t(14;18) chromosome translocations involved in B-cell neoplasms result from mistakes in VDJ joining. v229 p1390–1393 27 Sep 85.

U and V

Uberbacher, Edward C. and Bunick, Gerard J.: Crystallographic structure of the octamer histone core of the nucleosome (technical comment). v229 p1112–1113 13 Sep 85.
Ucci, Angelo A. *See* Alroy, Joseph.
Ullrich, Axel. *See* Schechter, Alan L.
Ungar, G.; Stejny, J.; Keller, A.; Bidd, I.; Whiting, M. C.: The crystallization of ultralong normal paraffins: the onset of chain folding. v229 p386–389 26 July 85.
Vacquier, Victor D.: review of *Development Biology*, edited by Leon W. Browder. v229 p1078–1079 13 Sep 85.
Vaidyanathan, Lalitha. *See* Schechter, Alan L.
van den Bergh, Sidney: review of *Supernovae as Distance Indicators*, edited by Norbert Bartel. v229 p548 9 Aug 85.
Van der Ploeg, Lex H. T.; Smits, Mari; Ponnudurai, Thivi; Vermeulen, Arno; Meuwissen, Joep H. E. Th.; Langsley, Gordon: Chromosome-sized DNA molecules of *Plasmodium falciparum*.. v229 p658–661 16 Aug 85.
van Zinderen Bakker, E. M.: Neogene Congo basin rain forest (letter). v229 p708 23 Aug 85.

Venkatesan, Sundararajan. *See* Rabson, Arnold B.
Ventullo, Roy M. *See* Peterson, Bruce J.
Vereijken, J. M. *See* Linzen, B.
Vermeulen, Arno. *See* Van der Ploeg, Lex H.
Veronese, Fulvia diMarzo; DeVico, Anthony L.; Copeland, Terry D.; Oroszlan, Stephen; Gallo, Robert C.; Samgadharan, M. G.: Characterization of gp41 as the transmembrane protein coded by the HTLV-III/LAV envelope gene. v229 p1402–1405 27 Sep 85.
Vestal, J. Robie. *See* Peterson, Bruce J.
Vetter, Betty M.: New insights into the technological marketplace available. v229 p546 9 Aug 85.
Vitek, Dagmar J. *See* Leventhal, Audie G.
Volbeda, A. *See* Linzen, B.
Volk, Gregg S. *See* Peterson, Bruce J.
Vrijenhoek, Robert C.; Douglas, Michael E.; Meffe, Gary K.: Conservation genetics of endangered fish populations in Arizona. v229 p400–402 26 July 85.

W

Waber, Pamela G. *See* Folstein, Susan E.
Wachsman, William. *See* Chen, Irvin S. Y.
Wahl, Larry M. *See* Ruff, Michael R.
Wahl, Sharon M. *See* Ruff, Michael R.
Waldrop, M. Mitchell (research news): An agenda for space physics. v229 p954 6 Sep 85. String as a theory of everything. v229 p1251–1253 20 Sep 85. WIMP's, cosmions, and solar neutrinos. v229 p955–956 6 Sep 85.
Wang, B. C. *See* Moudrianakis, E. N.
Warren, Christopher D. *See* Alroy, Joseph.
Wasserman, Steven A.; Dungan, Jan M.; Cozzarelli, Nicholas R.: Discovery of a predicted DNA knot substantiates a model for site-specific recombination. v229 p171–174 12 July 85.
Waterman, Marian; Murdoch, Geoffrey H.; Evans, Ronald M.; Rosenfeld, Michael G.: Cyclic AMP regulation of eukaryotic gene transcription by two discrete molecular mechanisms. v229 p267–269 19 July 85.
Weber, Richard J. *See* Ruff, Michael R.
Wedeen, Cathy. *See* Harding, Katherine.
Weinberg, Robert A. *See* Schechter, Alan L.
Weiner, Alan M. *See* Mangin, Marguerite.
Weintraub, Harold. *See* Izant, Jonathan G.
Weiss, Susan R. *See* Fishman, Paul S.
Wessels, Linda: review of *The Creation of Quantum Mechanics and the Bohr-Pauli Dialogue*, by John Hendry. v229 p963–964 6 Sep 85.
Whipple, Chris: The electricity industry (letter). v229 p916 6 Sep 85.
White, R. M.: Opportunities in magnetic materials. v229 p11–15 5 July 85.
Whiting, M. C. *See* Ungar, G.
Whittaker, A. Greenville: Carbyne forms of carbon: evidence for their existence (technical comment). v229 p485–486 2 Aug 85.
Wicken, Jeffrey S.: The granting system (letter). v229 p1336, 1340 27 Sep 85.
Williams, Dorothy L. *See* Erikson, Jan.
Williams, Heather and Nottebohm, Fernando: Auditory responses in avian vocal motor neurons: a motor theory for song perception in birds. v229 p279–282 19 July 85.
Williams, Stanley N.: Soil radon and elemental mercury distribution and relation to magmatic resurgence at Long Valley Caldera. v229 p551–553 9 Aug 85.
Wilson, D. W. *See* Segall, H. J.
Wilson, Edward O.: Invasion and extinction in the West Indian ant fauna: evidence from the Dominican amber. v229 p265–267 19 July 85.
Wimmer, Eckard. *See* Diamond, David C.
Witelson, Sandra F.: The brain connection: the corpus callosum is larger in left-handers. v229 p665–668 16 Aug 85.
Woese, C. R.; Debrunner-Vossbrinck, B. A.; Oyaizu, H.; Stackebrandt, E.; Ludwig, W.: Gram-positive bacteria: possible photosynthetic ancestry. v229 p762–765 23 Aug 85.
Wolynes, Peter G. *See* Frauenfelder, Hans.
Wong-Staal, Flossie; Shaw, George M.; Hahn, Beatrice H.; Salahuddin, S. Zaki; Popovic, Mikulas; Markham, Phillip; Redfield, Robert; Gallo, Robert C.: Genomic diversity of human T-lymphotropic virus type III (HTLV-III). v229 p759–762 23 Aug 85.
Wong-Staal, Flossie. *See* Arya, Suresh K. *See also* Felber, Barbara K. *See also* Sodroski, Joseph.
Woodwell, George M.: Resources and compromise (letter). v229 p600 16 Aug 85.
Wright, Anthony A.; Santiago, Hector C.; Sands, Stephen F.; Kendrick, Donald F.; Cook, Robert G.: Memory processing of serial lists by pigeons, monkeys, and people. v229 p287–289 19 July 85.
Wu, Ping. *See* Jackson, Ivor M. D.

X–Z

Xuong, N. G. *See* Moudrianakis, E. N.
Yamamoto, Bryan K. *See* Freed, Curt R.
Yamamoto, Naoki. *See* Harada, Shinji.
Yang-Feng, Teresa L. *See* Schechter, Alan L.
Yatani, Atsuko. *See* Hamilton, Susan L.
Yokota, E. *See* Linzen, B.
Young, Robert A.; Swift, Donald J. P.; Clarke, Thomas L.; Harvey, George R.; Betzer, Peter R.: Dispersal pathways for particle-associated pollutants. v229 p431–435 2 Aug 85.
Yuhnke, Robert E. *See* Oppenheimer, Michael.
Zagury, D. *See* Laure, F.
Zapol, Warren M. *See* Falke, Konrad J.
Zaug, Arthur J. and Cech, Thomas R.: Oligomerization of intervening sequence RNA molecules in the absence of proteins. v229 p1060–1064 13 Sep 85.
Zehfus, Micheal H. *See* Rose, George D.
Zeitler, E. *See* Zemlin, F.
Zemlin, F.; Reuber, E.; Beckmann, E.; Zeitler, E.; Dorset, D. L.: Molecular resolution electron micrographs of monolamellar paraffin crystals. v229 p461–462 2 Aug 85.